

Contributors to this Issue

C. F. SACIA, B.E.E., University of Michigan, 1916; Engineering Department of the Western Electric Company, 1916-24; Bell Telephone Laboratories, Inc., 1925—. Mr. Sacia has been engaged upon methods for recording and analyzing speech.

C. J. BECK, Western Electric Company Engineering Department, 1917; U. S. Army Air Service, 1918-19.—Since returning to the Laboratories, Mr. Beck has been associated with Mr. Sacia in speech analyses.

J. J. GILBERT, A.B., University of Pennsylvania, 1909; Harvard, 1910-11; Chicago, 1911-12; E.E., Armour Institute, 1915; instructor of electrical engineering, Armour, 1912-17; Captain Signal Corps, 1917-19; Engineering Department, Western Electric Company, 1919; Bell Telephone Laboratories, Inc., 1925—. Mr. Gilbert has worked primarily on submarine cable problems.

R. B. SHANCK, B.E.E., Ohio State University, 1915. Railroad Telegraph Service, 1909-10; Plant Department, American Telephone and Telegraph Company, 1910-11 and summers 1912-14; Engineering Department, 1915-19; Department of Development and Research, 1919—. Since 1915 Mr. Shanck has been engaged in transmission development work, on telegraph systems and compositing arrangements.

F. B. LLEWELLYN, M.E., Stevens Institute of Technology, 1922; graduate student, Columbia University, 1924-5; Research Department, Western Electric Company, 1922-5; Bell Telephone Laboratories, 1925—.

KARL K. DARROW, S.B., University of Chicago, 1911; University of Paris, 1911-12; University of Berlin, 1912; Ph.D., in physics and mathematics, University of Chicago, 1917; Engineering Department Western Electric Company, 1917-24; Bell Telephone Laboratories, Inc., 1925—. Mr. Darrow has been engaged largely in preparing studies and analyses of published research in various fields of physics.

JOSEPH P. MAXFIELD, S.B., Massachusetts Institute of Technology, 1910; instructor in electro-chemistry, Massachusetts Institute of

Technology, 1910-12; instructor in physics, Massachusetts Institute of Technology, 1912-14; industrial research work, 1910-14; Western Electric Company, 1914-24; Bell Telephone Laboratories, 1925—. Mr. Maxfield has engaged in fundamental studies of microphonic contacts and electro-acoustic devices. Recently these activities have been directed toward the development of public address systems and methods of recording and reproducing music and speech particularly as regards their application to the phonograph and audible motion pictures.

HENRY C. HARRISON, A.B., Colorado College, 1910; S.B., Massachusetts Institute of Technology, 1913; instructor in electrical engineering, Massachusetts Institute of Technology, 1913-14; Western Electric Company, 1914-24; Bell Telephone Laboratories, 1925—. Mr. Harrison has made fundamental studies of receivers and carbon button microphones. More recently, his work has been principally concerned with the design and development of various mechanical apparatus to embody the principles of electric transmission theory.